

WHAT IS CLAIMED IS:

1 1. An audio system having an audio reproducing device and an
2 audio recording device, said audio reproducing device reproducing
3 tracks each serving as an unit of audio information from a recording
4 medium serving as a source mounted on said audio reproducing device
5 as tracks to be recorded on a recording medium serving as a target
6 mounted on said audio recording device, and said audio recording
7 device recording the tracks reproduced by said audio reproducing
8 device on said recording medium serving as the target, wherein:

9 said audio recording device comprises:

10 calculating means for calculating a recordable time of
11 said recording medium serving as the target; and

12 notifying means for notifying said recordable time
13 calculated by said calculating means to said audio reproducing device,
14 and

15 said audio reproducing device comprises:

16 selecting means for selecting a maximum number of
17 tracks from tracks recorded on said recording medium serving as the
18 source in accordance with priority order of tracks settled under a
19 predetermined condition so that a total reproducing time of the selected
20 tracks does not exceed said recordable time notified from said audio
21 recording device; and

22 reproducing means for reproducing the tracks selected by
23 said selection means as tracks to be recorded on said recording medium
24 serving as the target.

1 2. An audio system as claimed in claim 1, wherein when any
2 residual tracks which were not selected in said priority order in the
3 previous selecting operation exists on said recording medium serving as
4 the source, said selecting means selecting a maximum number of tracks
5 from the residual tracks in said priority order so that a total
6 reproducing time of the tracks thus selected does not exceed a
7 recordable time which is newly notified from said audio recording
8 device, and then has the selected tracks reproduced by said reproducing
9 means.

1 3. An audio system as claimed in claim 1, wherein said
2 predetermined condition is a condition for determining the priority
3 order so that a track having a shorter reproducing time has a higher
4 priority.

1 4. An audio system as claimed in claim 1, wherein said
2 predetermined condition is a condition for determining the priority
3 order so that a track having a longer reproducing time has a higher
4 priority.

1 5. An audio system as claimed in claim 1, wherein said
2 predetermined condition is a condition for determining the priority
3 order so that a track which was more precedently recorded on said
4 recording medium serving as the source has a higher priority.

1 6. An audio system as claimed in claim 1, wherein said audio

2 reproducing device further comprises:

3 accepting means for accepting designation of priority order of
4 the respective tracks recorded on the recording medium serving as the
5 source, and said priority order of the tracks settled under the
6 predetermined condition is said priority order accepted by said
7 accepting means.

1 7. An audio system as claimed in claim 1, wherein said recording
2 medium serving as the source is a CD (compact disc), and said
3 recording medium serving as the target is an MD (mini disc).

1 8. An audio reproducing device for reproducing tracks each serving
2 as a unit of audio information from a recording medium serving as a
3 source mounted therein as tracks to be recorded on a recording medium
4 serving as a target which is mounted on an audio recording device,
5 comprising:

6 selecting means for selecting a maximum number of
7 tracks from the tracks recorded on the recording medium serving as the
8 source in order of priority of tracks which is settled on the basis of a
9 predetermined condition so that a total reproducing time of the tracks
10 thus selected does not exceed a recordable time notified from said audio
11 recording device; and

12 reproducing means for reproducing the tracks selected by
13 said selecting means as tracks to be recorded on the recording medium
14 serving as the target.

1 9. An audio recording device for recording tracks reproduced by an
2 audio reproducing device on a recording medium serving as a target
3 mounted therein, comprising:

4 calculating means for calculating a recordable time of said
5 recording medium serving as the target; and

6 notifying means for notifying said recordable time calculated by
7 said calculating means to said audio reproducing device.

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